

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER <b>020884-000007</b>
INTERNATIONAL APPLICATION NO. <b>PCT/EP2004/014814</b>		U.S. APPLICATION NO. (If known, see 37 CFR 1.5)  
INTERNATIONAL FILING DATE <b>December 28, 2004</b>		PRIORITY DATE CLAIMED <b>December 30, 2003</b>
TITLE OF INVENTION <b>METHODS FOR THE IN VITRO DIAGNOSIS AND PROGNOSIS OF DEMYELINATING DISEASES, AND FOR THE DEVELOPMENT OF DRUGS AGAINST DEMYELINATING DISEASES</b>		
APPLICANT(S) FOR DO/EO/US <b>Ainara Vallejo Illarramendi; Antonio Martínez Martínez; Usúe Ariz López de Castro; Lourdes Osaba Ortiz de Mendibil; Corina Junquera Sánchez-Vallejo; Jorge Ochoa Garay; Pedro Escudero García de Galdeano; Simón Santa Cruz; Laureano Simón Buella; Carlos Matute Almau; María Domercq García; Elena Alberdi Alfonso; María Victoria Sánchez Gómez; Gaskón Ibarretxe Bilbao; Estibaliz Etxebarria Galnares</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.		
2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.		
3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.		
4. <input checked="" type="checkbox"/> The US has been elected (Article 31).		
5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office(RO/US)</li> </ul>		
6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ul>		
7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ul>		
8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).		
9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).		
10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
<b>Items 11 to 20 below concern document(s) or information included:</b>		
11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.		
12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.		
13. <input checked="" type="checkbox"/> A preliminary amendment.		
14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.		
15. <input type="checkbox"/> A substitute specification.		
16. <input type="checkbox"/> A power of attorney and/or change of address letter.		
17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.		
18. <input checked="" type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).		
19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)	INTERNATIONAL APPLICATION NO. <b>PCT/EP2004/014814</b>	ATTORNEY'S DOCKET NUMBER <b>020884-000007</b>																																				
20. Other items or information:																																						
The following fees have been submitted 21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)) ..... \$300 22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) ..... \$200 If the written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations ..... \$200 23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) ..... \$400 If the written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority ..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB ..... \$400 All other situations ..... \$500 <b>TOTAL OF 21, 22 and 23 =</b>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">CALCULATIONS</th> <th style="text-align: left;">PTO USE ONLY</th> </tr> <tr><td style="text-align: center;">\$ 300</td><td></td></tr> <tr><td style="text-align: center;">\$ 200</td><td></td></tr> <tr><td style="text-align: center;">\$ 400</td><td></td></tr> <tr><td style="text-align: center;">\$ 900</td><td></td></tr> <tr><td style="text-align: center;">\$ 0</td><td></td></tr> <tr><td style="text-align: center;">\$ 0</td><td></td></tr> <tr><td style="text-align: center;">\$ 250</td><td></td></tr> <tr><td style="text-align: center;">\$ 600</td><td></td></tr> <tr><td style="text-align: center;">\$ 0</td><td></td></tr> <tr><td style="text-align: center;">\$ 1,750</td><td></td></tr> <tr><td style="text-align: center;">\$ 875</td><td></td></tr> <tr><td style="text-align: center;">\$ 0</td><td></td></tr> <tr><td style="text-align: center;">\$ 875</td><td></td></tr> <tr><td style="text-align: center;">\$ 0</td><td></td></tr> <tr><td style="text-align: center;">\$ 875</td><td></td></tr> <tr> <td>Amount to be refunded:</td> <td style="text-align: center;">\$</td> </tr> <tr> <td>Amount to be charged:</td> <td style="text-align: center;">\$</td> </tr> </table>	CALCULATIONS	PTO USE ONLY	\$ 300		\$ 200		\$ 400		\$ 900		\$ 0		\$ 0		\$ 250		\$ 600		\$ 0		\$ 1,750		\$ 875		\$ 0		\$ 875		\$ 0		\$ 875		Amount to be refunded:	\$	Amount to be charged:	\$
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<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.82(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:20%;">Total Sheets</th> <th style="width:20%;">Extra sheets</th> <th style="width:40%;">Number of each additional 50 or fraction thereof (round up to a whole number)</th> <th style="width:20%;">RATE</th> </tr> <tr> <td style="text-align: center;">- 100 =</td> <td style="text-align: center;">/50 =</td> <td></td> <td style="text-align: center;">X \$250</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: center;">\$ 0</td> </tr> </table> Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).		Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	- 100 =	/50 =		X \$250				\$ 0	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:20%;">CLAIMS</th> <th style="width:20%;">NUMBER FILED</th> <th style="width:20%;">NUMBER EXTRA</th> <th style="width:20%;">RATE</th> </tr> <tr> <td style="text-align: center;">Total Claims</td> <td style="text-align: center;">25 - 20 =</td> <td style="text-align: center;">5</td> <td style="text-align: center;">x \$50</td> </tr> <tr> <td style="text-align: center;">Independent Claims</td> <td style="text-align: center;">6 - 3 =</td> <td style="text-align: center;">3</td> <td style="text-align: center;">x \$200</td> </tr> <tr> <td colspan="3"></td> <td style="text-align: center;">+ \$360</td> </tr> </table>	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total Claims	25 - 20 =	5	x \$50	Independent Claims	6 - 3 =	3	x \$200				+ \$360								
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<b>TOTAL OF ABOVE CALCULATIONS =</b>		<b>\$ 1,750</b>																																				
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.																																						
<b>SUBTOTAL =</b>		<b>\$ 875</b>																																				
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).		<b>\$ 0</b>																																				
<b>TOTAL NATIONAL FEE =</b>		<b>\$ 875</b>																																				
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		<b>\$ 0</b>																																				
<b>TOTAL FEES ENCLOSED =</b>		<b>\$ 875</b>																																				
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- a. ☐ A check in the amount of \$\_\_\_\_\_ to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. 13-4365 in the amount of \$\_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 13-4365. A duplicate copy of this sheet is enclosed.
- d. ☒ Fees are to be paid by electronic funds transfer.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

**Moore & Van Allen**  
**PO Box 13706**  
**430 Davis Drive**  
**Research Triangle Park, NC**  
**27709**  
**USA**



SIGNATURE

Tristan A. Fuierer

NAME

52,926

REGISTRATION NUMBER

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

<b>In re United States Patent Application of:</b>	)	<b>Docket No.:</b>	<b>020884-7</b>
	)		
<b>Applicant(s):</b>	<b>Vallejo Illarramendi, Ainara, et al.</b>	<b>Examiner:</b>	<b>Not Yet Assigned</b>
	)		
<b>Application No.:</b>	<b>New U.S. National Stage Application</b>	<b>Art Unit:</b>	<b>Not Yet Assigned</b>
	<b>of PCT International Application No.</b>		
	<b>PCT/EP2004/014814</b>		
	)		
<b>Int'l Filing Date:</b>	<b>28 December 2004</b>	<b>Customer No.:</b>	
	)		
<b>Priority Date:</b>			
	<b>30 December 2003 (EP 03380310.7)</b>		
	)		
	)		
<b>Title:</b>	<b>METHODS FOR THE IN VITRO</b>		<b>24239</b>
	<b>DIAGNOSIS AND PROGNOSIS OF</b>		
	<b>DEMYELINATING DISEASES, AND</b>		
	<b>FOR THE DEVELOPMENT OF</b>		
	<b>DRUGS AGAINST</b>		
	<b>DEMYELINATING DISEASES</b>		
	)		

## ELECTRONIC FILING CERTIFICATE

I hereby certify that I am transmitting this document and its enclosures electronically via EFS to the Commissioner for Patents on the date specified.

Lillian S. Glenn

Date of Filing

**SUBMISSION UNDER 35 U.S.C. §371 OF UNITED STATES PATENT APPLICATION  
(NATIONAL PHASE PROCEEDINGS) BASED ON INTERNATIONAL APPLICATION NO.  
PCT/EP2004/014814 AND CLAIMING PRIORITY OF EUROPEAN PATENT APPLICATION  
NO. EP 03380310.7**

**Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

Sir:

Submitted herewith for filing under the provisions of 37 CFR §1.53 and 35 U.S.C. §371 is the above-referenced patent application, based on International Patent Application No. PCT/EP2004/014814 and

claiming priority of European Patent Application No. EP 03380310.7. A copy of the PCT International Application including drawings and sequence listing, International Search Report, a Preliminary Amendment, and 35 U.S.C. §371 transmittal forms are included herewith.

Please direct correspondence relating to this application to Tristan Fuierer, Moore & Van Allen, PLLC, P.O. Box 13706, Research Triangle Park, NC 27709, and direct telephonic communications relating to this application to Tristan Fuierer at (919) 286-8090.

Respectfully submitted,

MOORE & VAN ALLEN PLLC

Date: June 27, 2006

By:



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